

Analisa Stevens
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520-330-1732

Education

University of Arizona

- Doctor of Philosophy in Cancer Biology August 2024- present

University of Maryland School of Medicine

- Science Training for Advancing Medical Research Post Baccalaureate Research Education Program June 2023-June 2024

University of Arizona College of Science

- Bachelor of Science in Molecular and Cellular Biology May 2023
- Bachelor of Arts in Biochemistry May 2023

BASIS Tucson North High School

- High School Diploma with Honors May 2019

Research Experience

Graduate Research Assistant August 2024- Present

- PhD student in the lab of Dr. Carlos Caulin investigating mutations contributing to HPV- oral squamous cell carcinoma development and immune evasion
- Cell culture, mouse models, Western blot, immunohistochemistry

STAR-PREP Scholar June 2023- June 2024

- Science Training for Advancing Medical Research Post Baccalaureate Research Education Program
- Conduct research full time in the lab of Dr. Tonya Webb investigating inhibition of the immune system by ovarian cancer
- Project Name: Targeting Host Factors Involved in Lipid-Suppressed Immune System
- Hypothesis: synaptotagmin overexpression aids in ovarian cancer metastasis and CD1d-dependent NKT cell activation by increasing ganglioside GD3 expression
- Attend and present at conferences, poster sessions, and journal clubs

Undergraduate Researcher at University of Arizona

Padi Lab August 2022- May 2023

- Investigated genetic pathways in Merkel cell carcinoma by conducting experiments on human cell lines in the lab of Dr. Megha Padi
- Use methods in sterile cell culture, immunofluorescence, protein purification and analysis, RNA purification, transfection with plasmids.
- Use RStudio to analyze whole genome data on tissues infected with Merkel virus and compare data sets to determine important genes for analysis

Thorne Lab January 2022- May 2022

- Investigated colorectal cancer in the lab of Dr. Curtis Thorne at University of Arizona Cancer Center
- Used methods in cell culture, cell transformations, immunofluorescence, confocal microscopy, and image analysis via ImageJ to investigate Wnt signaling pathway kinases

Conferences and Poster Presentations

Mid-Atlantic PREP and IMSD Research Symposium May 2024

- Poster Title: Cancer Health Disparities in Chronic Myeloid Leukemia
- Primary Investigator: Dr. Tonya Webb
- Investigated race-based health disparities in the treatment of chronic myeloid leukemia

Leadership Experience

University of Arizona Class Preceptor January- May 2023

- Assisted in teaching MCB 305 Cell and Developmental Biology as a member of the teaching team
- Organized and led review sessions before exams and held regular tutoring sessions to help students refine their knowledge
- Led discussions and answered questions during class

SARSEF STAR Lab Facilitator August 2022- March 2023

- Guide high school students through the research process for their own science fair projects and teach them methods in reading research papers, understanding and creating figures, and science communication.

Volunteer Work

SARSEF Science Fair Judge Team Leader March 2022

- Judged science fair projects of elementary and middle school students.

- Led a team of five judges to determine award winners.
- Interviewed student competitors and gave guidance on presentation strategies and research skills.

SARSEF Science Fair Judge March 2021

- Judged science fair projects of elementary and middle school students.
- Worked with a team of fellow judges to determine award winners.
- Interviewed student competitors and gave guidance on presentation strategies and research skills.

Tucson Fire Department Volunteer 2015-2023

- Significantly contribute to community service charities through fundraising and participating in holiday events to assist those in need

Other Employment

Stevens North Realty and Tax Service Office Manager February-April 2018-2022

- Seasonal office manager at Stevens North. Duties included answering phones, setting appointments, greeting clients, inputting data from tax forms, filing paperwork, and keeping the office organized and efficient.
- Developed customer service and organizational skills and gained knowledge in tax preparation

Awards and Funding

- IMSD Scholar 2024-2025
 - Initiative to Maximize Student Development at UArizona
 - NIH Funded T32 Training grant appointment to fund first year of PhD
- University of Arizona Honorable Mention- 2023
- University of Arizona Dean's List- 2019
- National Merit Hispanic Scholar- 2018
 - 4-year full-tuition scholarship plus additional merit scholarship to fund undergraduate education 2019-2023
- National Honors Society 2017-2019
- AP Scholar with Distinction- 2018
- AP Scholar with Distinction- 2017